General Motors
Upfitter Integration

UI Bulletin #196b

Subject:	Adding Upfitter Switches (9L7)
Models Years Affected:	2024 - Current
Models Affected:	Chevrolet BrightDrop 400/600 Electric Van
Origination Date:	September 24, 2023
Revision Date:	September 11, 2024

ADVISORY:

Condition/Concern:

Some Customers or Upfitters have inquired on how to add Upfitter Switch (9L7) option to a BrightDrop 400/600 electric van. MY24 and beyond will have two fused power feeds for upfitter use. RPO 9L7 will provide the following:

- **Two fused, relay-controlled output circuits (30a and 30a).** The default factory wiring provides for continuous power if the control switch is 'ON.' [Power does not go 'OFF' with key 'OFF.'] Upfitter equipment loads can be directly attached to these wires. Equipment ground wires are not provided.
- **Two user utilized relay control circuits –** Customer/Upfitter to provide V+ input for relay activation. Switches are not included. The ignition or RUN circuit could be utilized for the activation power for these relays the upfitter/customer may want active only when in RUN.
- **One 10 amp fused Ignition (Run Mode) Circuit.**
- Easy in-cab access to the Blunt cut wires [located near the Park Brake].
- The power source for the Two fused relay-controlled output circuits is from the 12v Battery. This arrangement protects from the dangers of the High Volt system.
- An additional schematic shows how to accomplish an ignition switched arrangement.

Note:

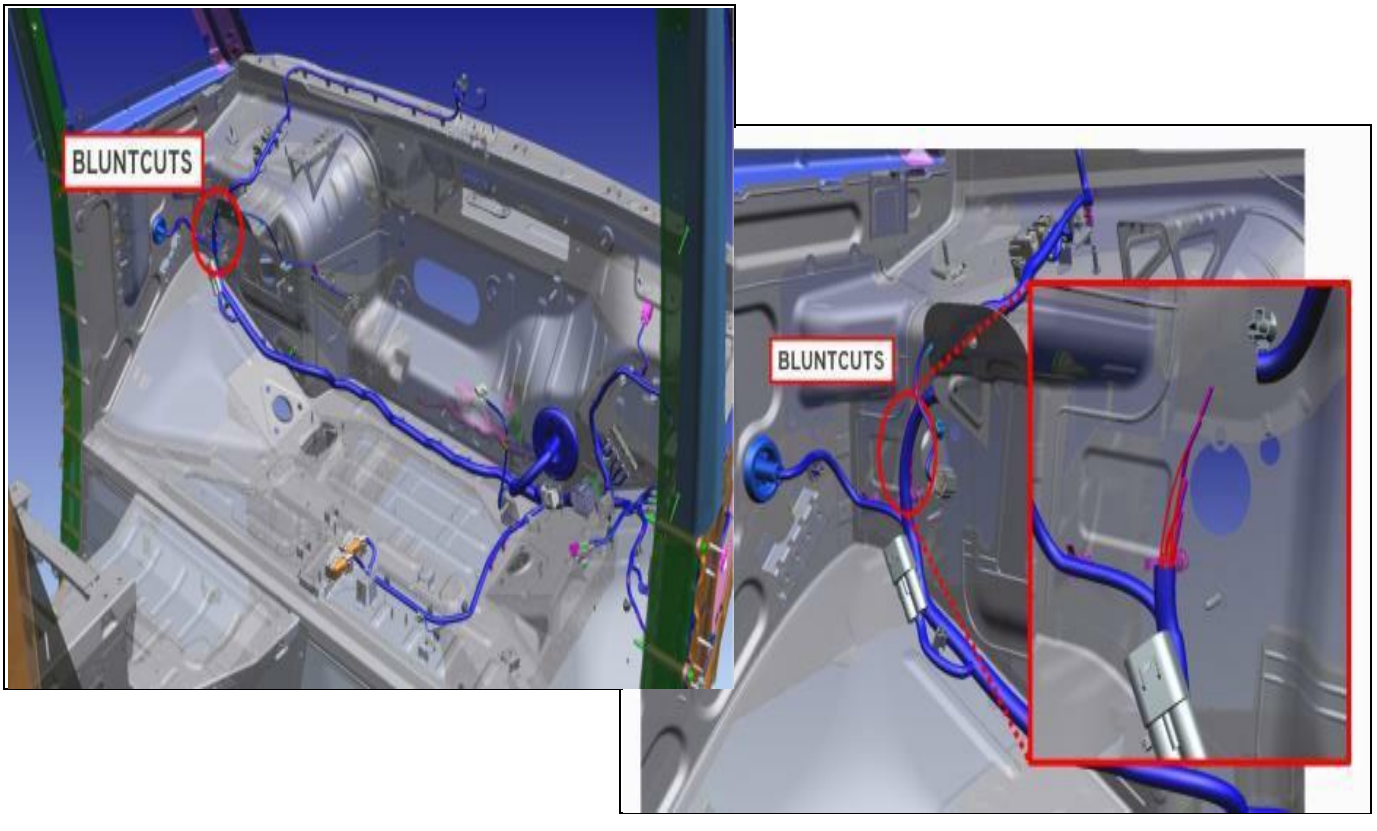
An additional schematic shows how to accomplish an ignition switched arrangement.

Disclaimer: GM Upfitter Integration Technical Bulletins are intended for use by professional technicians, NOT a "do-it-yourselfer". They are written to inform these technicians of conditions that may occur on some vehicles, or to provide information that could assist in the proper service and/or modification of a vehicle. These properly trained technicians have the equipment, tools, safety instructions, and know-how to do a job properly and safely. If a condition is described, DO NOT assume that the bulletin applies to your vehicle, or that your vehicle will have that condition. Contact GM Upfitter Integration for information on whether the information is applicable your vehicle.

Repair/Recommendation:

Upfitter Electrical Wiring Provisions – 9L7

Provisional Blunt Cuts



Provisional Blunt Cut Wires

Function	Wire Color	Circuit Number
10A Fused Ignition (Run Mode) Circuits	BU/VT	10721
User Utilized Relay 1	BU/WH	10716
30A Fused, relay-controlled output circuit	BU	10731
User Utilized Relay 2	VT/GY	10717
10A Fused, relay-controlled output circuit	GY/BK	10732

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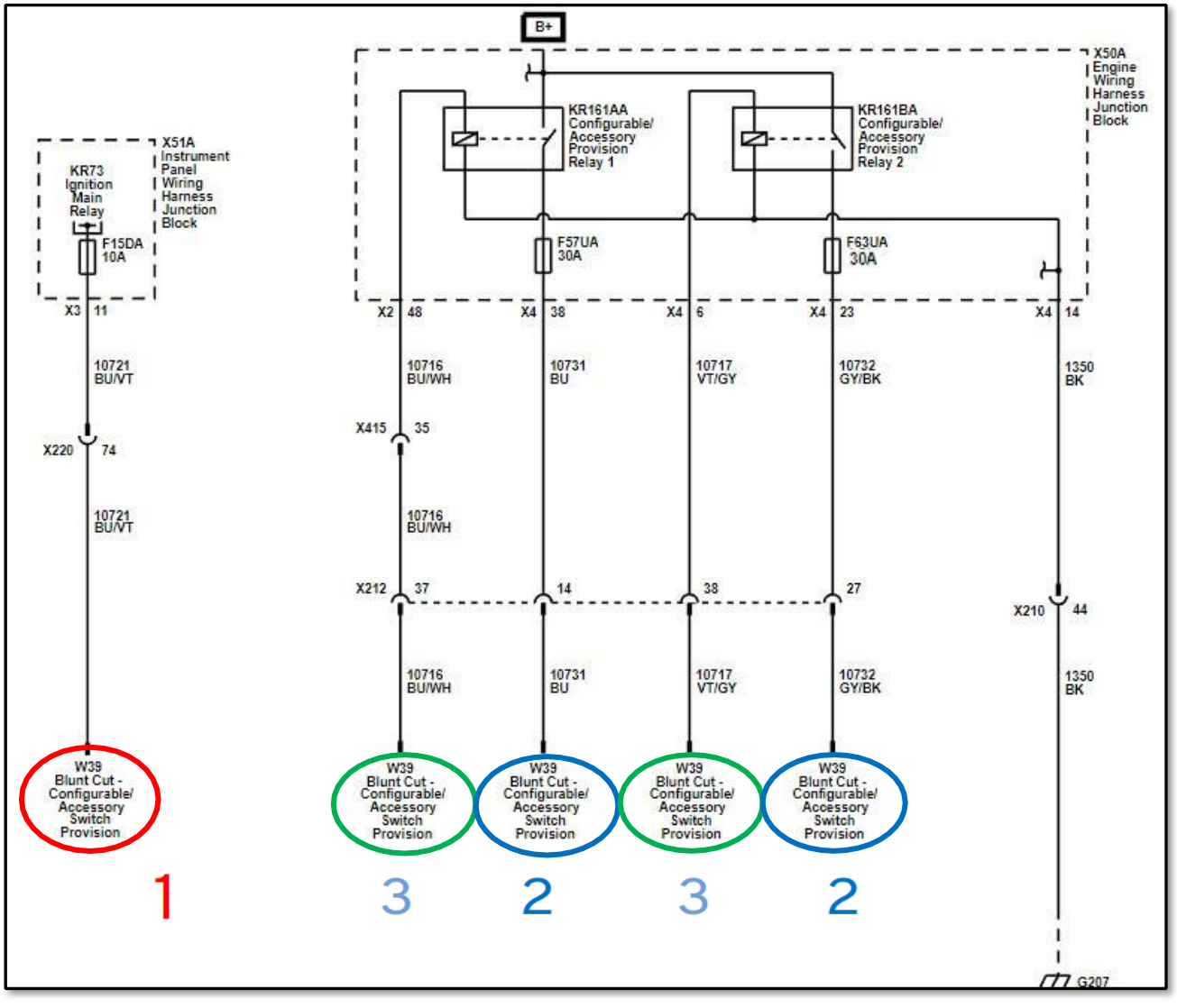
Upfitter Provisions (9L7)



1. 10-amp fused Ignition (RUN Mode) circuit
2. Two relay-controlled output circuits (30a and 30a fused)
3. Two user utilized relay control circuits – customer/upfitter to provide V+ input for relay activation.

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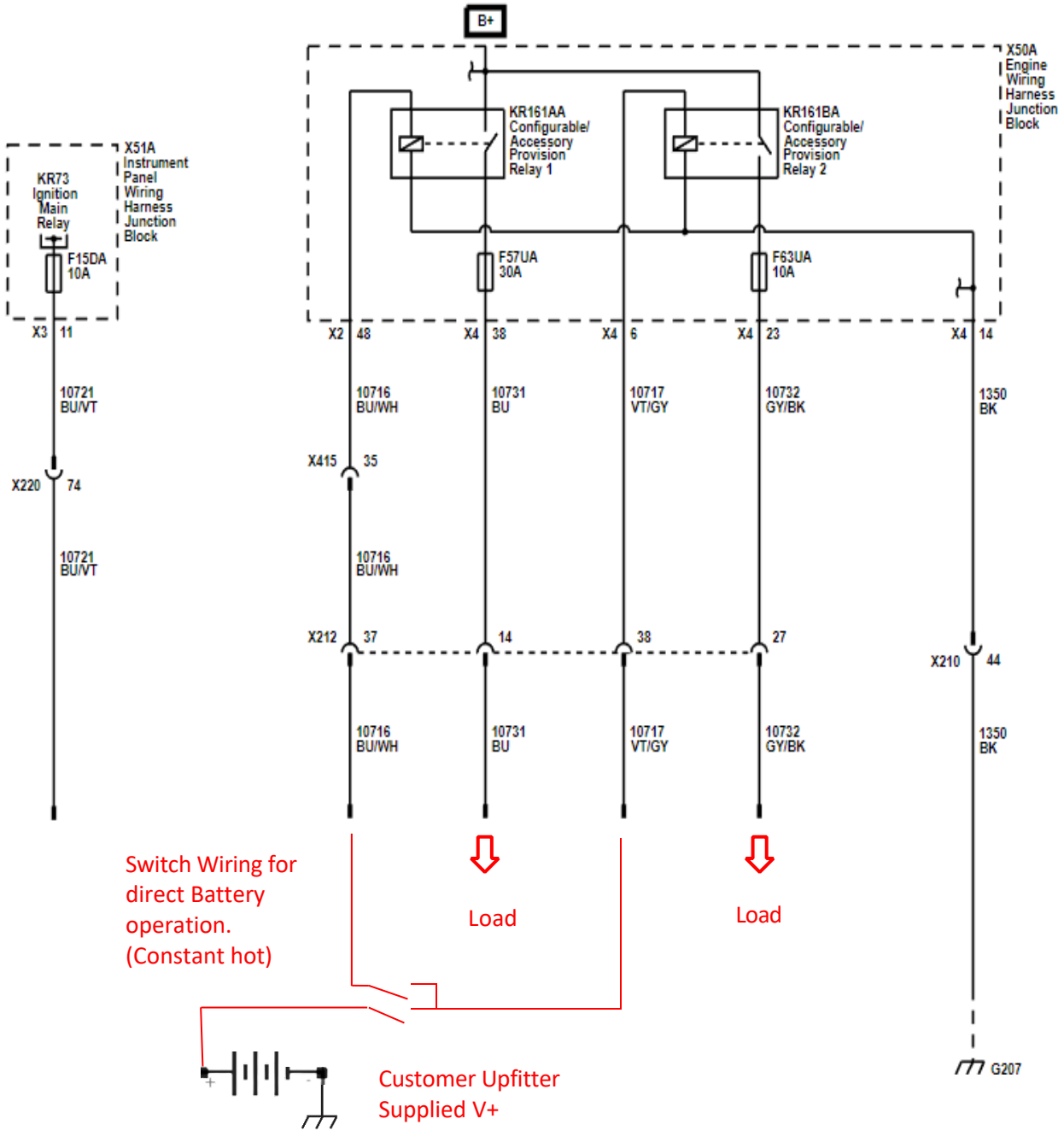
Schematic 'Standard Continuous'

Items in red must be added by upfitter



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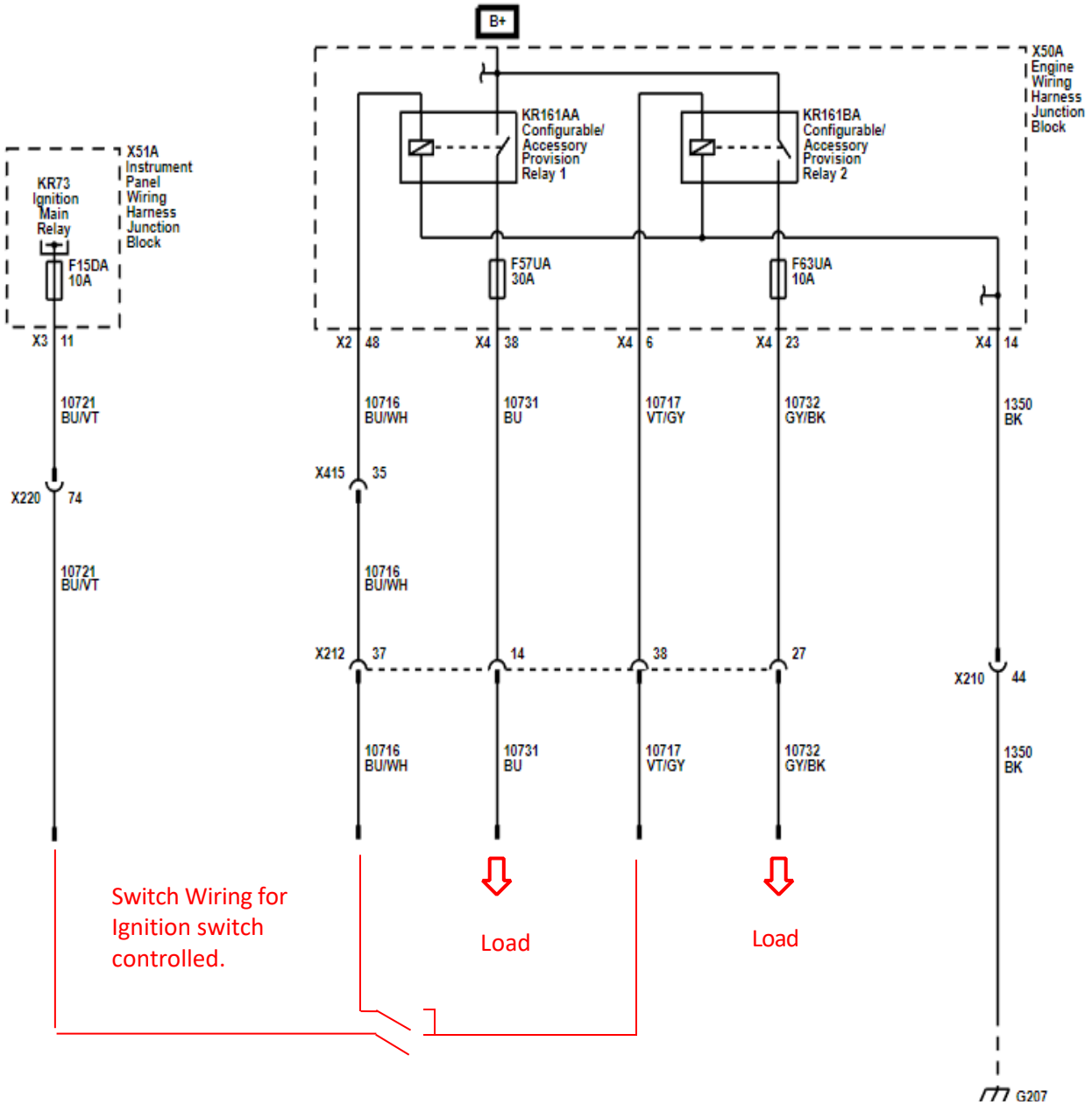
Schematic – Ignition Controlled (Run mode)

Items in red must be added by upfitter



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